

**DETAILED SYSTEM DESIGN AND  
SPECIFICATION  
FEDERAL WATER SUPPLY DATA SYSTEM**

Prepared for

**THE OFFICE OF WATER SUPPLY  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

**Contract No. 68-01-3308  
Task Order 68-01-3910**

Prepared by

**Index Systems, Inc.**  
One Broadway  
Cambridge, Mass.

**September 1976**

**VOLUME II**

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## VI. DATA ELEMENT DIRECTORY

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This chapter contains Data Element Description sheets for each data element used in the system. The meaning of each item is explained and a reference is given to its location within the system files. Applicable data values or ranges are indicated in addition to the edit rules which apply to each element. An alphabetical cross-reference listing is included to facilitate use of the Data Element Directory.

DATA ELEMENT DIRECTORY CROSS-REFERENCE LIST

<u>MNEMONIC</u>	<u>NAME</u>	<u>REF #</u>
ACCUM-TYPE-SEL	ACCUMULATOR TYPE SELECTION	122
ACTION-DATE	ACTION DATE	089
ACTIVITY-IND	ACTIVITY INDICATOR	021
ACTUAL-DATE	DATE MILESTONE COMPLETED	103
ADDRESS-SEL	ADDRESS SELECTION	127
ALT-TREATMENT	ALTERNATE TREATMENT TECHNIQUE CODE	084
ANALYSIS-METHOD	SAMPLE ANALYSIS METHOD	106
ANALYSIS-RESULT	ANALYSIS RESULT	107
AREA-CODE	TELEPHONE AREA CODE	009
AVAILABILITY	WATER AVAILABILITY CODE	073
AVG-AIR-TEMP	AVERAGE DAILY AIR TEMP.	114
BASIN-NUMBER	RIVER BASIN NUMBER	074
BATCH-NUM	BATCH NUMBER	098
BEGIN-DATE	DATE PWS BEGAN OPERATION	029
CAPTIVE-FLAG	CAPTIVE LABORATORY FLAG	045
CASE-ID	ENFORCEMENT ACTION CASE IDENTIFICATION	087
CASE-REFERENCE	LEGAL CASE IDENTIFICATION	088
CHLORINE	CHLORINE RESIDUAL PERCENT OF SAMPLES	051
CITY	CITY	011

<u>MNEMONIC</u>	<u>NAME</u>	<u>REF #</u>
CLOSE-INDICATOR	CASE STATUS INDICATOR	090
COMP-CYCLE	COMPLIANCE CYCLE	025
CONSECUTIVE	CONSECUTIVE PWS INDICATOR	026
CONSECUTIVE-NUM	NUMBER OF CONSECUTIVE PWS'S	038
CONTAM-CTG-SEL	CONTAMINANT CATEGORY SELECTION	119
CONTAMINANT-ID	CONTAMINANT IDENTIFICATION	053
COUNTY	COUNTY CODE	012
DEACT-DATE	DATE OF DEACTIVATION	022
DEACT-REASON	REASON FOR DEACTIVATION	023
DESIGN-CAPACITY	DESIGN CAPACITY	113
DESTINATION	DESTINATION	129
DISTRICT	STATE'S ADMINISTRATIVE DISTRICT	017
EFFECTIVE-DATE	EFFECTIVE DATE	024
EMERGENCY-POWER	EMERGENCY POWER ONLY	040
END-PERIOD	DATE OF ENDING SAMPLING PERIOD	
EXPIRATION-DATE	EXPIRATION DATE	081
FROM-SEL	FROM VALUE FOR SELECTION	134
INDIAN-RES	INDIAN RESERVATION CODE	013
INTERSTATE-CARR	INTERSTATE CARRIER FLAG	019
LAB-AUTHORIZE	LABORATORY ANALYSIS AUTHORIZATION CODE	105
LAB-CONTROL	LABORATORY CONTROL INDICATORS	043
LAB-ID	LABORATORY IDENTIFICATION	044

<u>MNEMONIC</u>	<u>NAME</u>	<u>REF #</u>
LAB-OWNER	LABORATORY OWNER TYPE	104
LAST-OP-REPORT	DATE OF LAST OPERATING REPORT	034
LAST-UPDATE	DATE OF LAST UPDATE	060
LATITUDE	LATITUDE OF WATER SOURCE	075
LEGAL-STATUS	LEGAL STATUS	096
LENGTH-SEL	LENGTH OF FIELD FOR SELECTION	137
LONGITUDE	LONGITUDE OF WATER SOURCE	076
MANUAL-FILE	REFERENCE TO MANUAL FILES	030
MAX-PRODUCTION	MAXIMUM DAILY PRODUCTION	042
MCL	MAXIMUM (MINIMUM) CONTAMINANT LEVEL	061
METERS-NUM	NUMBER OF METERS	037
MILESTONE-CODE	MILESTONE CODE	085
MNEMONIC-SEL	MNEMONIC FOR SELECTION	131
MODIFIED-MCL	MODIFIED MCL	082
MONTHLY	MONTHLY BACTERIOLOGICAL MONITORING	046
NITRATE-FREQ	NITRATE MONITORING FREQUENCY	058
NON-COMM-FREQ	ALTERNATE SAMPLING FREQUENCY	050
NORMAL-CAPACITY	NORMAL PRODUCTION CAPACITY	039
NO-SAMPLING	SAMPLING REQUIREMENT WAIVE INDICATOR	057
NUMBER-OF-WELLS	NUMBER OF WELLS	072
NUM-MILESTONES	NUMBER OF MILESTONES	112
OFFSET-SEL	OFFSET FOR SELECTION	136

<u>MNEMONIC</u>	<u>NAME</u>	<u>REF #</u>
OPERATE-REPORT	OPERATING REPORT FLAG	033
OPERATOR-SEL	OPERATOR FOR SELECTION	130
PARTY-TYP-DEFND	ENFORCEMENT ACTION PARTY TYPE DEFENDANT	091
PARTY-TYP-PLAIN	ENFORCEMENT ACTION PARTY TYPE PLAINTIFF	092
PERCENT-SEL	PERCENT SELECTION	128
PER-QUARTER	NUMBER OF SAMPLES PER QUARTER	047
PHONE-NUMBER	TELEPHONE NUMBER	010
POP-SERVED	SIZE OF POPULATION SERVED	035
PWS-ADDRESS-L1	PWS ADDRESS LINE 1	005
PWS-ADDRESS-L2	PWS ADDRESS LINE 2	006
PWS-ID	PWS IDENTIFICATION NUMBER	003
PWS-NAME	PWS NAME	004
PWS-OWNER-TYPE	PWS OWNER TYPE	018
PWS-TYPE	PWS TYPE	020
RADIOACTIVE-MTR	RADIOACTIVE MONITORING FLAG	059
REASON	REASON FOR VARIANCE OR EXEMPTION	095
REGION	EPA REGION	001
REGION-ADMIN	STATE'S ADMINISTRATIVE REGION	016
REGION-SEL	EPA REGION SELECTION	117
REGULATE	PWS REGULATORY STATUS	015
RELATION-SEL	RELATION FOR SELECTION	133
REPORT-BACT-FLG	BACTERIOLOGICAL SAMPLES REPORTING FLAG	031



<u>MNEMONIC</u>	<u>NAME</u>	<u>REF #</u>
REPORT-NUM-SEL	REPORT NUMBER SELECTION	115
REPORT-TURB-FLG	TURBIDITY SAMPLES REPORTING FLAG	032
RESERVE	RESERVED AREA	068
RPT-SEL	REPORT SELECTION	126
SAMPLES-RECVD	NUMBER OF SAMPLES RECEIVED	109
SAMPLES-REQURD	NUMBER OF SAMPLES REQUIRED	108
SAMPLING-FREQ	MONITORING (SAMPLING) FREQUENCY	054
SEASON-END	DATE SEASON ENDS	049
SEASON-START	DATE SEASON STARTS	048
SELLER-ID	WATER SELLER PWS ID	027
SELLER-WATER	WATER TYPE OF SELLER	028
SERVICE-AREA	SERVICE AREA CHARACTERISTICS	014
SERVICES-NUM	NUMBER OF SERVICE CONNECTIONS	036
SORT-SEL	SORT SEQUENCE SELECTION	132
SOURCE-CODE	WATER SOURCE CODE	071
SOURCE-ID-NUM	SOURCE IDENTIFICATION NUMBER	101
SOURCE-NAME	NAME OF WATER SOURCE	070
SOURCE-NUM	WATER SOURCE NUMBER	069
SOURCE-TYPE-SEL	SOURCE TYPE SELECTION	121
START-PERIOD	DATE OF STARTING SAMPLING PERIOD	055
STATE	STATE CONTROLLING PWS	002

<u>MNEMONIC</u>	<u>NAME</u>	<u>REF #</u>
STATE-ADR	STATE POSTAL CODE FOR ADDRESS	007
STATE-SEL	STATE SELECTION	118
STORAGE-CAPACITY	DISTRIBUTION STORAGE CAPACITY	041
TARGET-DATE	MILESTONE TARGET DATE	086
TO-SEL	TO VALUE FOR SELECTION	135
TOT-TRAN-COUNT	TOTAL TRANSACTION COUNT	123
TOT-VIO-COUNT	TOTAL VIOLATIONS COUNT	124
TOTAL-INPUT	TOTAL INPUT	125
TRAN-CODE	TRANSACTION CODE	097
TRAN-COUNT	TRANSACTION COUNT	100
TRAN-NUM	TRANSACTION NUMBER	099
TREATMENT	TREATMENT CODE	083
TREATMENTS	APPLIED WATER TREATMENTS	077
TURBIDITY-UNITS	ALTERNATE TURBIDITY MCL	052
TYPE-OF-PWS-SEL	TYPE OF PWS SELECTION	116
VE-ID	VARIANCE OR EXEMPTION IDENTIFICATION	078
VE-STATUS	STATUS OF V & E	080
VE-TYPE	VARIANCE OR EXEMPTION INDICATOR	079
VIO-CONTAM-TOT	TOTAL VIOLATIONS OF CONTAMINANT LEVEL	065
VIO-CONTAM-YTD	VIOLATIONS OF CONTAMINANT LEVEL YTD	062
VIO-COUNT	VIOLATION COUNT	102
VIO-DURATION	VIOLATION DURATION	110

<u>MNEMONIC</u>	<u>NAME</u>	<u>REF #</u>
VIOLATION-DATE	VIOLATION DATE	093
VIOLATION-ID	VIOLATION IDENTIFICATION	111
VIOLATION-TYPE	TYPE OF VIOLATION	094
VIO-OTHER-TOT	TOTAL OTHER VIOLATIONS	067
VIO-OTHER-YTD	OTHER VIOLATIONS YTD	064
VIO-SAMP-TOT	TOTAL VIOLATIONS OF SAMPLING FREQUENCY	066
VIO-SAMP-YTD	VIOLATIONS OF SAMPLING FREQUENCY YTD	063
VIO-TYPE-SEL	VIOLATION TYPE SELECTION	120
ZIP	ZIP CODE	008

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: REGION REF #: 001

NAME: EPA REGION

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(2)

USAGE: The EPA region of the state controlling the PWS.

SUB FIELD (S): \_\_\_\_\_

VALUES: Regions are 1 to 10.  
See State Postal Code Table

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X	X	X	

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Region is generated internally based on the state code, data element #002. The region may be entered for Indian reservations which span more than one state.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: 6 / 9 / 76 Revision #: 1

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: STATE REF #: 002

NAME: STATE CONTROLLING PWS

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: The postal code of the state controlling the PWS  
(may be different from the mailing address state)

SUB FIELD (S): 007 STATE-ADR

VALUES: One of the 56 postal codes assigned to states and  
trust territories. See State Postal Code Table.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X	X	X	

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Value must be one of the above 56 codes.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: 9 / 20 / 76 Revision #: 1

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: PWS - ID REF #: 003

NAME: PWS IDENTIFICATION #

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(7)

USAGE: A seven digit number uniquely identifying a water system within a state.

SUB FIELD (S): NONE

VALUES: 0000000 to 9999999

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X	X	X	

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

1. Must be numeric.
2. On addition to Inventory file, number must be unique.

COMMENTS:

NONE

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: PWS - NAME REF #: 004

NAME: PWS NAME

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(30)

USAGE: Official name of a public water system

SUB FIELD (S): NONE

VALUES: Any character string

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PWS-ADDRESS-L1 **REF #:** 005

**NAME:** PWS ADDRESS LINE 1

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(30)

**USAGE:** Used for the street name of the PWS mailing address  
or plant address

**SUB FIELD (S):** NONE

**VALUES:** Any character string, should contain street address

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / /  **Revision #:**



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PWS-ADDRESS-L2 **REF #:** 006

**NAME:** PWS ADDRESS LINE 2

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(30)

**USAGE:** Used for the city name of the mailing address or plant address.

**SUB FIELD (S):** NONE

**VALUES:** Any character string. Should contain city name, left justified.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / /  **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: STATE-ADR REF #: 007

NAME: STATE POSTAL CODE FOR  
ADDRESS

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: Used as the state in the mailing address or plant address.

SUB FIELD (S): NONE

VALUES: One of the 56 postal codes assigned to states and trust territories. See State Postal Code Table.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Value must be one of the above 56 codes.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: 9 / 20 / 76 Revision #: 1

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** ZIP **REF #:** 008

**NAME:** ZIP CODE

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(5)

**USAGE:** Zip code as part of the mailing address or plant address.

**SUB FIELD (S):** NONE

**VALUES:** Any valid 5-digit zip code

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric.

### COMMENTS:

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: AREA-CODE REF #: 009

NAME: TELEPHONE AREA CODE

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: Area code of telephone number

SUB FIELD (S): NONE

VALUES: Any valid area code

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

1. Must be numeric.

COMMENTS:

NONE.

Date: 5 / 6 /76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: PHONE-NUMBER REF #: 010

NAME: TELEPHONE NUMBER

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(7)

USAGE: 7-digit phone number

SUB FIELD (S): NONE

VALUES: Any 7-digit number

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be numeric with a non-zero leading value.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: CITY REF #: 011

NAME: CITY

DESCRIPTION

DATE TYPE: A/N PICTURE: X(15)

USAGE: Name of the city or community which is the primary  
area serviced by a PWS

SUB FIELD (S): NONE

VALUES: Any character string

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

NONE.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: COUNTY REF #: 012

NAME: COUNTY CODE

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: Code of the county in which the service area of a PWS is located.

SUB FIELD (S): NONE

VALUES: As defined in STORET county code table

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

### COMMENTS:

NONE.

Date: 5 / 6/76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: INDIAN-RES REF #: 013

NAME: INDIAN RESERVATION CODE

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: Code identifying that a PWS is located on an Indian Reservation and therefore monitored by the EPA and not the state.

SUB FIELD (S): NONE

VALUES: See Indian Reservation Code Table.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be zero or included in the table.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** SERVICE-AREA **REF #:** 014

**NAME:** SERVICE AREA  
CHARACTERISTICS

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(19)

### **USAGE:**

A 19-character string where each element indicates one service area characteristic. Information is used to retrieve PWS's by service area characteristic.

**SUB FIELD (S):** Each position indicates a characteristic  
(See list in comments).

### **VALUES:**

for each position: 0 = No  
1 = Yes

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Each position must be a '0' or '1'.

**COMMENTS:** List of characteristics in positioned order:  
Residential, company town, recreation area, mobile home park, institution, school or college, motel, restaurant, service station, campground, picnic area, lodge, marina, ski resort, bathing area, visitor center, highway safety, rest area, airport, other.

**Date:** 5 / 6 / 76 **Revision Date:**     /    /     **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** REGULATE **REF #:** 015

**NAME:** PWS REGULATORY STATUS

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** This indicator describes the authority under which the particular PWS is regulated.

**SUB FIELD (S):** NONE

**VALUES:**

1. Regulated by state regulations only.
2. Regulated by federal regulations only.
3. Regulated by both of the above.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must have a '1', '2', or '3' only.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:** / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: REGION-ADMIN REF #: 016

NAME: STATE'S ADMINISTRATIVE REGION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: A code identifying the administrative region of the state.

SUB FIELD (S): NONE

VALUES: Determined by the state. If the state does not control water quality by regions, the field is blank.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** DISTRICT **REF #:** 017

**NAME:** STATE'S ADMINISTRATIVE DISTRICT

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(3)

**USAGE:** A code identifying the administrative district of the state.

**SUB FIELD (S):** NONE.

**VALUES:** Determined by the state. Can contain a county code.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:** / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PWS-OWNER-TYPE **REF #:** 018

**NAME:** PWS OWNER TYPE

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** A code describing the type of a PWS owner.

**SUB FIELD (S):** NONE

**VALUES:**

- 1 = municipality
- 2 = investor
- 3 = federal
- 4 = state
- 5 = other

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be in the range 1 - 5.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:** / / **Revision #:**

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

**MNEMONIC:** INTERSTATE-CARR **REF #:** 019

**NAME:** INTERSTATE CARRIER FLAG

DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(1)

**USAGE:** A flag indicating if a PWS is an interstate carrier of drinking water.

**SUB FIELD (S):** NONE

**VALUES:** 0 = No  
1 = Yes

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be a 0 or 1.

COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PWS-TYPE **REF #:** 020

**NAME:** PWS TYPE

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** A flag indicating if this PWS is a community or non-community PWS as defined in the regulations.

**SUB FIELD (S):** NONE

**VALUES:** C = Community  
N = Non-community

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be either 'C' or 'N'.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:** / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** ACTIVITY-IND **REF #:** 021

**NAME:** ACTIVITY INDICATOR

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(1)

**USAGE:** A flag to indicate whether the PWS record is active or not.

**SUB FIELD (S):** NONE

**VALUES:** 0 = Active  
1 = Inactive

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be '0' or '1'.

When value is '1' in the input transaction, deactivation date and reason must be present.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**     /    /     **Revision #:**



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: DEACT-DATE REF #: 022

NAME: DATE OF DEACTIVATION

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5), 9(6)

USAGE: Date of day the activity flag is set inactive.  
Used for documentation and audit trails.

SUB FIELD (S): On files as Julian YYDDD, on input/reports MMDDYY.

VALUES: Date in Julian.

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

If activity indicator is a '1' the field must contain a valid date not later than updating date. Otherwise may be blank.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: DEACT-REASON REF #: 023

NAME: REASON FOR DEACTIVATION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: A code describing the reason for deactivating the PWS record.

SUB FIELD (S): NONE

VALUES: See Deactivation Reason Table.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be contained in Deactivation Reason Table.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** EFFECTIVE-DATE

**REF #:** 024

**NAME:** EFFECTIVE DATE

### DESCRIPTION

**DATE TYPE:** Numeric

**PICTURE:** 9(5), 9(6)

**USAGE:** For PWS Inventory File, the date on which the applicable regulations become effective. On Variance and Exemption file, the effective date of the variance or exemption.

**SUB FIELD (S):** On files as Julian YYDDD, on input/reports MMDDYY

**VALUES:** Any Valid Date.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X	X		

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be a valid date or blanks.

### COMMENTS:

When effective date is not input it will be set to June 1, 1977.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: COMP-CYCLE REF #: 025

NAME: COMPLIANCE CYCLE

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(2)

USAGE: Describes the compliance cycle for the PWS.

SUB FIELD (S): NONE

VALUES: Any number in the range 1-99.  
For a PWS that is monitored monthly, the compliance cycle is the day on which the compliance month starts.  
For example: compliance cycle 20 means that the reporting period starts at the 20th.

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric and greater than zero.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: CONSECUTIVE REF #: 026

NAME: CONSECUTIVE PWS INDICATOR

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(1)

USAGE: A flag indicating whether a PWS is consecutive, i.e., purchases all of its water from another PWS where the water is treated. A state may exempt a consecutive PWS from monitoring.

SUB FIELD (S): NONE

VALUES: 0 = not consecutive  
1 = consecutive, not monitored  
2 = consecutive, monitored

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be '0', '1' or '2'.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** SELLER-ID **REF #:** 027

**NAME:** WATER SELLER PWS ID

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(7)

**USAGE:** PWS-ID of the seller to a consecutive PWS.  
If more than one, the largest PWS is used.

**SUB FIELD (S):** NONE

**VALUES:** Numeric.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric and non-zero.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: SELLER-WATER REF #: 028

NAME: WATER TYPE OF SELLER

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: A flag showing, for a consecutive PWS, whether the water it is purchasing is ground, surface or purchased.

SUB FIELD (S): NONE

VALUES: S = Surface  
G = Ground  
P = Purchased  
Blank = PWS not consecutive

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be S, G or P if the PWS is consecutive; otherwise, must be blank.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: BEGIN-DATE REF #: 029

NAME: DATE PWS BEGAN OPERATION

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(4)

USAGE: Date on which PWS began (or will begin) operation.

SUB FIELD (S): Month and year MMY

VALUES: A valid month and year.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

A valid month and year.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: MANUAL-FILE REF #: 030

NAME: REFERENCE TO MANUAL FILES

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(12)

### USAGE:

A reference to a manual file document such as the correspondence file or the permit file.

SUB FIELD (S): NONE

### VALUES:

Any.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

FWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** REPORT-BACT-FLG **REF #:** 031

**NAME:** BACTERIOLOGICAL SAMPLES  
REPORTING FLAG

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** A flag describing reporting made for bacteriological monitoring.

**SUB FIELD (S):** NONE

**VALUES:** L = Reporting single samples on a list  
S = Reporting monthly summary  
I = Reporting individual sample form

Blank if no value.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be L, S, I or blank.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:** / / **Revision #:**

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: REPORT-TURB-FLG

REF #: 032

NAME: TURBIDITY SAMPLES REPORTING

FLAG

DESCRIPTION

DATE TYPE: A/N

PICTURE: X(1)

USAGE: A flag describing reporting made for turbidity monitoring.

SUB FIELD (S): NONE

VALUES: L = Reporting single samples on a list  
S = Reporting monthly summary

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be L, S or blank.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: OPERATE-REPORT

REF #: 033

NAME: OPERATING REPORT FLAG

### DESCRIPTION

DATE TYPE: Numeric

PICTURE: 9(1)

USAGE: A flag indicating whether a PWS must submit a monthly operation report.

SUB FIELD (S): NONE

### VALUES:

1 = Yes, PWS must report  
0 = No

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be 1 or 0.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: LAST-OP-REPORT REF #: 034

NAME: DATE OF LAST OPERATING REPORT

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(4)

USAGE: date for which the last operation report was submitted.

SUB FIELD (S): MMYY

VALUES: A valid month and year.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

A valid month and year no later than current date.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** POP-SERVED

**REF #:** 035

**NAME:** SIZE OF POPULATION SERVED

### DESCRIPTION

**DATE TYPE:** Numeric

**PICTURE:** 9(9)

**USAGE:** Total population obtaining water from this PWS,  
not including population of any consecutive PWS.

**SUB FIELD (S):** NONE

**VALUES:** Any number greater than 0.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric and greater than 0.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: SERVICES-NUM REF #: 036

NAME: NUMBER OF SERVICE CONNECTIONS

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(7)

USAGE: The number of service connections, not counting the consecutive water systems which utilize water from this PWS.

SUB FIELD (S): NONE

VALUES: Any number greater than 0.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric and greater than zero.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: METERS-NUM REF #: 037

NAME: NUMBER OF METERS

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(7)

USAGE: The number of service connections equipped with water meters.

SUB FIELD (S): NONE

VALUES: Any number greater than zero.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be numeric and greater than zero.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:



EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

**MNEMONIC:** CONSECUTIVE-NUM

**REF #:** 038

**NAME:** NUMBER OF CONSECUTIVE PWS's

DESCRIPTION

**DATE TYPE:** Numeric

**PICTURE:** 9(7)

**USAGE:** Number of consecutive systems buying water for resale.

**SUB FIELD (S):** NONE

**VALUES:** Any numeric value.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / /  **Revision #:**

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: NORMAL-CAPACITY REF #: 039

NAME: NORMAL PRODUCTION CAPACITY

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(10)

USAGE: Average annual production in gallons per day during the most recent year.

SUB FIELD (S): NONE

VALUES: Any number greater than zero.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be numeric and greater than zero.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: EMERGENCY-POWER REF #: 040

NAME: EMERGENCY POWER ONLY

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(10)

USAGE: The amount of water in gallons per day that can be produced with power generation equipment controlled by the PWS.

SUB FIELD (S): NONE

VALUES: Any number greater than zero.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric and greater than zero.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: STORAGE-CAPACTY REF #: 041

NAME: DISTRIBUTION STORAGE CAPACITY

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(10)

USAGE: Storage capacity, in gallons, or water that is ready to go with the distribution system.

SUB FIELD (S): NONE

VALUES:

Any number greater than zero.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

COMMENTS: Must be numeric and greater than zero.

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: MAX-PRODUCTION REF #: 042

NAME: MAXIMUM DAILY PRODUCTION

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(10)

USAGE: Maximum daily production, in gallons per day.

SUB FIELD (S): NONE

VALUES: Any number greater than zero.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be numeric and greater than zero.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** LAB-CONTROL **REF #:** 043

**NAME:** LABORATORY CONTROL INDICATORS

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(4)

**USAGE:** Flag to indicate if PWS water source is controlled by laboratory.

**SUB FIELD (S):** Chemical, bacteriological, physical, radiological in that order.

**VALUES:** For each type:

0 = Not Controlled

1 = Controlled

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be a 0 or 1.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: LAB-ID REF #: 044

NAME: LABORATORY IDENTIFICATION

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5)

USAGE: A number identifying a laboratory.

SUB FIELD (S): NONE

VALUES: Any non-zero number.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric and non-zero.

### COMMENTS:

Occurs 5 times (bacteriological, inorganic, organic, radiological, physical)

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** CAPTIVE-FLAG **REF #:** 045

**NAME:** CAPTIVE LABORATORY FLAG

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(1)

**USAGE:** A flag indicating if a laboratory used by a PWS is a captive laboratory.

**SUB FIELD (S):** NONE

**VALUES:**  
0 = No  
1 = Yes

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be 0 or 1.

### COMMENTS:

See data element # 044.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**



EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: MONTHLY REF #: 046

NAME: MONTHLY BACTERIOLOGICAL  
MONITORING

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(1)

USAGE: A state may require a non-community PWS to sample and analyze monthly for bacteriological contaminants, although federal and state regulations require only quarterly monitoring.

SUB FIELD (S): NONE

VALUES: 0 = No  
1 = Yes, monthly required

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be 0 or 1.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PER-QUARTER **REF #:** 047

**NAME:** NUMBER OF SAMPLES  
PER QUARTER

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(3)

**USAGE:** Number of samples per quarter that a small community PWS may perform for bacteriological analysis in lieu of monthly monitoring.

**SUB FIELD (S):** NONE

**VALUES:** 000 = quarterly monitoring not permitted  
001-099 = quarterly monitoring permitted, and the value is the number of required samples per quarter

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric or zero.

### COMMENTS:

A small community PWS is defined by the federal regulations as serving a population of less than 1000. The water source must be a solely protected ground source.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** SEASON-START **REF #:** 048

**NAME:** DATE SEASON STARTS

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(4)

**USAGE:** Beginning date for bacteriological monitoring at a non-community PWS which is operating seasonally.

**SUB FIELD (S):** MMDD for month and day.

**VALUES:** Zero = same as January 1st  
Non Zero = a valid month, day

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric
2. Must be zero if PWS is community type
3. Must be a valid month and day if non-community PWS

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**     /    /     **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** SEASON-END **REF #:** 049

**NAME:** DATE SEASON ENDS

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(4)

**USAGE:** Ending date for bacteriological monitoring at a non-community PWS which operates seasonally.

**SUB FIELD (S):** MMDD

**VALUES:** Zero = same as December 31st  
Non Zero = a valid month, day

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric
2. Must be zero if the PWS is community type
3. Must be zero or valid month and day if non-community PWS
4. If not zero, must be later than SEASON-START, data element #048

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: NON-COMM-FREQ REF #: 050

NAME: ALTERNATE SAMPLING

FREQUENCY

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: Alternate sampling for bacteriological analysis.  
Applies to non-community PWS in lieu of quarterly  
or monthly sampling.

SUB FIELD (S): NONE

VALUES: Number of days between samples.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric or zero.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: CHLORINE REF #: 051

NAME: CHLORINE RESIDUAL PERCENT  
OF SAMPLES

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(2)

USAGE: Percent of samples for bacteriological analysis  
that may be replaced by chlorine residual sampling.

SUB FIELD (S): NONE

VALUES: Zero to 75.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** TURBIDITY-UNITS

**REF #:** 052

**NAME:** ALTERNATE TURBIDITY MCL

### DESCRIPTION

**DATE TYPE:** Numeric

**PICTURE:** 9(1)V9(1)

**USAGE:** State may increase the MCL for turbidity up to 5 turbidity units.

**SUB FIELD (S):** NONE

**VALUES:** Zero to 5.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric
2. Must be between the values 0 to 5.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / /  **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: CONTAMINANT-ID REF #: 053

NAME: CONTAMINANT-IDENTIFICATION

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(4)

USAGE: A 4-digit number identifying a contaminant.

SUB FIELD (S): position 1 - contaminant group  
position 2-4 individual contaminant

VALUES:

See Contaminant Table

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X	X	X	X

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric
2. Must be in table

### COMMENTS:

This code does not comply with STORET parameters table. STORET identifies a pair - contaminant and analysis method as a single parameter up to 100,000 different parameters.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: SAMPLING-FREQ REF #: 054

NAME: MONITORING (SAMPLING) FREQUENCY

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: Define the elapsed time (in days) between samples.  
Used in conjunction with follow-up monitoring of  
chemical contaminants.

SUB FIELD (S): NONE

VALUES: zero to 999

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			X

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric.
2. On PWS inventory File, must be greater than zero if there is a corresponding CONTAMINANT-ID, data element #053, for follow-up.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: START-PERIOD REF #: 055

NAME: DATE OF STARTING SAMPLING  
PERIOD

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(4)

USAGE: A state may specify a period within which a yearly (or multi-yearly) sampling for organic chemicals and pesticides is to be done.

SUB FIELD (S): MMDD

VALUES: Zero - same as January 1st, which is the default value.  
Non Zero - any valid month and day.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

1. Must be numeric.
2. May be zero or a valid month and day.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: END-PERIOD REF #: 056

NAME: DATE OF ENDING SAMPLING  
PERIOD

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(4)

USAGE: Date of the end of sampling period for organic chemicals.

SUB FIELD (S): MMDD

VALUES:

Zero = same as December 31st which is the default value.  
Non Zero = any valid month and day.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

1. Must be numeric.
2. Must be zero or a valid month and day.
3. If START-PERIOD, data element #055 is present, END-PERIOD must be later.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: NO-SAMPLING REF #: 057

NAME: SAMPLING REQUIREMENT WAIVE  
INDICATOR

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(1)

USAGE: Indicates whether the state waived the requirement  
for sampling organic chemical analysis.

SUB FIELD (S): NONE

VALUES:

0 = Requirement not waived  
1 = Requirement waived

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

1. Must be 0 or 1.
2. May not be 1 if PWS has any surface water source.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: NITRATE-FREQ REF #: 058

NAME: NITRATE MONITORING FREQUENCY

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: Frequency of monitoring nitrate for a non-community PWS, as determined by the state.

SUB FIELD (S): NONE

VALUES: A numeric value expressing the maximum number of days that may elapse between consecutive samples.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

1. Must be numeric.
2. If PWS is non-community, must be greater than zero.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** RADIOACTIVE-MTR

**REF #:** 059

**NAME:** RADIOACTIVE MONITORING FLAG

### DESCRIPTION

**DATE TYPE:** Numeric

**PICTURE:** 9(1)

**USAGE:** A flag indicating if a PWS must be monitored continuously for radioactive contaminants.

**SUB FIELD (S):** NONE

**VALUES:**

- 0 = No
- 1 = Yes, but only for natural radioactive contaminants
- 2 = Yes, but only for man-made radioactive contaminants
- 3 = Yes, all radioactive contaminants

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be 0, 1, 2, or 3.

### COMMENTS:

A PWS must be continuously monitored for radioactive contaminants if the initial sample violates the MCL. Also, the state may require monitoring if a PWS is located below an atomic power station etc.

**Date:** 5 / 6 / 76 **Revision Date:**  / /  **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: LAST-UPDATE REF #: 060

NAME: DATE OF LAST UPDATE

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5),9(6)

USAGE: Date on which the record was last updated. Used to establish an audit trail.

SUB FIELD (S): On files as Julian YYDDD, on reports MMDDYY

VALUES: A date.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X	X		

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: MCL REF #: 061

NAME: MAXIMUM (MINIMUM) CONTAMINANT  
LEVEL

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(6)

USAGE: The maximum or minimum level defined by state or federal regulations for each contaminant, or as determined by a variance or an exemption.

SUB FIELD (S): NONE

VALUES:  
A numeric value

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X	X		X

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: VIO-CONTAM-YTD REF #: 062

NAME: VIOLATIONS OF  
CONTAMINANT LEVEL YTD

### DESCRIPTION

DATE TYPE: COMPUTATIONAL-3 PICTURE: S9(3)

USAGE: This is an accumulator of the number of violations of contaminant levels occurring year to date.

SUB FIELD (S): Occurs six times-see comments

VALUES: 0 to 999

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

COMMENTS: There is one accumulator for each contaminant group: physical, inorganic chemicals, pesticides and organic chemicals, microbiological, radioactive and treatment.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: VIO-SAMP-YTD REF #: 063

NAME: VIOLATIONS OF SAMPLING  
FREQUENCY YTD

DESCRIPTION

DATE TYPE: COMPUTATIONAL-3 PICTURE: S9(3)

USAGE: This is an accumulator of the number of violations of sampling frequency occurring year to date.

SUB FIELD (S): Occurs six times - see comments.

VALUES:

0 to 999

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS: There is one accumulator for each contaminant group: physical, inorganic chemicals, pesticides and organic chemicals, microbiological, radioactive and treatment.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** VIO-OTHER-YTD **REF #:** 064

**NAME:** OTHER VIOLATIONS

YTD

### DESCRIPTION

**DATE TYPE:** COMPUTATIONAL-3 **PICTURE:** S9(3)

**USAGE:** This is an accumulator of the number of other violations occurring year to date.

**SUB FIELD (S):** Occurs six times - see comments

**VALUES:**  
0 to 999

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

**COMMENTS:** There is one accumulator for each contaminant group: physical, inorganic chemicals, pesticides and organic chemicals, microbiological, radioactive and treatment.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: VIO-CONTAM-TOT REF #: 065

NAME: TOTAL VIOLATIONS OF  
CONTAMINANT LEVEL

### DESCRIPTION

DATE TYPE: COMPUTATIONAL-3 PICTURE: S9(3)

USAGE: This is an accumulator of the total number of  
contaminant level violations.

SUB FIELD (S): Occurs six times - see comments.

### VALUES:

0 to 999

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

COMMENTS: There is one accumulator for each contaminant group:  
physical, inorganic chemicals, pesticides and organic  
chemicals, microbiological, radioactive and treatment.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** VIO-SAMP-TOT **REF #:** 066

**NAME:** TOTAL VIOLATIONS  
OF SAMPLING FREQUENCY

### DESCRIPTION

**DATE TYPE:** COMPUTATIONAL-3 **PICTURE:** S9(3)

**USAGE:** This is an accumulator of the total number of sampling frequency violations.

**SUB FIELD (S):** Occurs six times - see comments.

**VALUES:**  
0 to 999

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

**COMMENTS:** There is one accumulator for each contaminant group: physical, inorganic chemicals, pesticides and organic chemicals, microbiological, radioactive and treatment.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: VIO-OTHER-TOT

REF #: 067

NAME: TOTAL OTHER VIOLATIONS

### DESCRIPTION

DATE TYPE: COMPUTATIONAL-3

PICTURE: S9(3)

USAGE: This is an accumulator of the total number of other violations.

SUB FIELD (S): Occurs six times - see comments.

### VALUES:

0 to 999

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

COMMENTS: There is one accumulator for each contaminant group: physical, inorganic chemicals, pesticides and organic chemicals, microbiological, radioactive and treatment.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: RESERVE

REF #: 068

NAME: RESERVED AREA

DESCRIPTION

DATE TYPE: A/N

PICTURE: varies in length

USAGE: Area reserved in a record for accommodating future requirements for additional data elements.

SUB FIELD (S): N/A

VALUES:

N/A

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

N/A

COMMENTS:

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: SOURCES-NUM REF #: 069

NAME: WATER SOURCES NUMBER

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(2)

USAGE: Number of water sources attached to a PWS record in the PWSIF. Needed by COBOL to control variable length PWS records.

SUB FIELD (S): \_\_\_\_\_

VALUES:

00 to 15

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

NONE (internally generated)

COMMENTS:

A maximum of 15 sources is allowed per PWS.

Date: 5 / 6 / 76 Revision Date: / / Revision #: \_\_\_\_\_



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** SOURCE-NAME **REF #:** 070

**NAME:** NAME OF WATER SOURCE

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(15)

**USAGE:** Used for reporting. Identifies a water source by its name.

**SUB FIELD (S):** NONE

**VALUES:**

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

NONE.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: SOURCE-CODE REF #: 071

NAME: WATER SOURCE CODE

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: Identifies the type of water source.

SUB FIELD (S): NONE

VALUES: S = Surface Water  
G = Ground Water  
P = Purchased Water (treated water)

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must have the values S, G, or P.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** NUMBER-OF-WELLS **REF #:** 072

**NAME:** NUMBER OF WELLS

\_\_\_\_\_

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(2)

### **USAGE:**

If a number of wells are treated in one treatment plant, they are considered as one water source. This data element specifies the number of wells per source.

**SUB FIELD (S):** NONE

### **VALUES:**

Numeric value, 0 to 99.

## INPUT/OUTPUT REFERENCE

### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric.
2. Must be between 0 and 99.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: AVAILABILITY REF #: 073

NAME: WATER AVAILABILITY CODE

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: A code describing the availability of a water source.

SUB FIELD (S): NONE

VALUES: Space or P = Permanent source  
S = Seasonal source  
R = Reserve source  
E = Emergency source

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be P, S, R, E or blank.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: BASIN-NUMBER REF #: 074

NAME: RIVER BASIN NUMBER

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(7)

USAGE: This data element applies to surface water sources, indicating the river (or lake) from which water is taken. The main use of the information is to identify PWS's that draw water from a certain river in a case of major contamination.

SUB FIELD (S): NONE

### VALUES:

A numeric value.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be numeric or zero.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: LATITUDE REF #: 075

NAME: LATITUDE OF WATER SOURCE

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(7)

USAGE: Latitude of water source.

SUB FIELD (S): Degrees - 3 positions

VALUES: Minutes - 2 positions

Seconds - 2 positions

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric.
2. The first position of the degrees must be zero.
3. Minutes and seconds maximum value is 60.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: LONGITUDE REF #: 076

NAME: LONGITUDE OF WATER SOURCE

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(7)

USAGE: Longitude of water source.

SUB FIELD (S): Degrees - 3 positions

VALUES: Degrees - 2 positions

Degrees - 2 positions

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

EDIT REQUIREMENTS:

1. Must be numeric.
2. Minutes and seconds maximum value is 60.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: TREATMENTS REF #: 077

NAME: APPLIED WATER TREATMENTS

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(16)

USAGE: Indication of water treatment techniques which are applied to a water source.

SUB FIELD (S): 13 subfields. The 13th is for "other".

VALUES: 12 applied to particular techniques. See comments below.

For each technique:

0 = not applied

1 = applied

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X	X	X

### EDIT REQUIREMENTS:

Must be 0 or 1 for every technique.

COMMENTS: Providing for techniques:

Aeration, Prechlorination, Coagulation, Sedimentation, Filtration, Corrosion Control, Softening, Taste and Odor Control, Iron Removal, Ammoniation, Fluoride Adjustment, Disinfection, Other.

Date: 5 / 6 / 76 Revision Date:     /    /     Revision #:



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: VE-ID REF #: 078

NAME: VARIANCE OR EXEMPTION

IDENTIFICATION

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5)

USAGE: Number identifying a variance or exemption within a state.

SUB FIELD (S): NONE

VALUES: A non-zero number.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

### EDIT REQUIREMENTS:

Must be numeric and non-zero.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** VE-TYPE **REF #:** 079

**NAME:** VARIANCE OR EXEMPTION  
INDICATOR

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** A flag indicating if the V & E record is a variance or an exemption.

**SUB FIELD (S):** NONE

**VALUES:**  
V = Variance  
E = Exemption

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

### EDIT REQUIREMENTS:

Must be 'V' or 'E'.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:** / / **Revision #:**

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: VE-STATUS REF #: 080

NAME: STATUS OF V & E

DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: A flag indicating the legal status of a variance or an exemption.

SUB FIELD (S): NONE

VALUES: See Variance/Exemption Status Table

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

EDIT REQUIREMENTS:

Must be contained in Variance/Exemption Status Table

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: EXPIRATION-DATE REF #: 081

NAME: EXPIRATION DATE

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5), 9(6)

USAGE: Date on which a variance or exemption expires.

SUB FIELD (S): On file YYDDD Julian, on input/reports MMDDYY.

VALUES: A valid date.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

EDIT REQUIREMENTS:

1. Must be a valid date or all "9".
2. If not all "9", the date must be later than the corresponding EFFECTIVE DATE, data element #024.

COMMENTS:

A date containing all "9" implies that no expiration date was set.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** MODIFIED-MCL **REF #:** 082

**NAME:** MODIFIED MCL

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(6)

**USAGE:** Indicates a modified MCL if the variance or exemption modified the MCL for a contaminant. Used in determining compliance.

**SUB FIELD (S):** MCL

**VALUES:** A numeric value.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		X

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

### COMMENTS:

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: TREATMENT REF #: 083

NAME: TREATMENT CODE

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: Indicates a treatment that a PWS is exempt from,  
or a special treatment that is allowed.

SUB FIELD (S): NONE

VALUES: See Treatments Table.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

EDIT REQUIREMENTS:

1. Must be numeric.
2. May be zero.
3. If non-zero, must be in treatments table.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** ALT-TREATMENT **REF #:** 084

**NAME:** ALTERNATE TREATMENT

TECHNIQUE CODE

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(3)

**USAGE:** A code describing an alternate treatment technique that a PWS may use instead of an approved treatment technique.

**SUB FIELD (S):** NONE

**VALUES:** See Treatments Table.

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

### EDIT REQUIREMENTS:

1. Value must be numeric.
2. If not zero, then it must be present in the table.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:** 9 / 20 / 76 **Revision #:** 1

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: MILESTONE-CODE REF #: 085

NAME: MILESTONE CODE

DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: Code describing the milestone to be reached.

SUB FIELD (S): NONE

VALUES: See Milestone Code Table.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X	X	

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

EDIT REQUIREMENTS:

Must be included in the table.

COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: TARGET-DATE REF #: 086

NAME: MILESTONE TARGET DATE

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5),9(6)

USAGE: Date on which a completion of one milestone is to be completed.

SUB FIELD (S): On file YYDDD Julian, on input/reports MMDDYY.

VALUES: A valid date, not earlier than 1977.

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

### EDIT REQUIREMENTS:

1. Must be numeric.
2. Must be not earlier than 1977.

### COMMENTS:

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: CASE-ID REF #: 087

NAME: ENFORCEMENT ACTION CASE  
IDENTIFICATION

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5)

USAGE: Enforcement action identification.

SUB FIELD (S): NONE

VALUES:  
A non-zero number.

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be numeric and non-zero.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** CASE-REFERENCE **REF #:** 088

**NAME:** LEGAL CASE IDENTIFICATION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(12)

**USAGE:** Legal identification of an enforcement action case: letter number and date, file number, etc. Used to identify an enforcement action.

**SUB FIELD (S):** NONE

**VALUES:** No predetermined values.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

NONE

### COMMENTS:

NONE

**Date:** 5 / 6 / 76 **Revision Date:** / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: ACTION-DATE REF #: 089

NAME: ACTION DATE

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5), 9(6)

USAGE: Date on which the enforcement action was initiated.

SUB FIELD (S): On file YYDDD Julian, on input/reports MMDDYY.

VALUES: A date not earlier than 1977.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

1. Must be numeric.
2. Must be a valid date.
3. Must not be earlier than 1977.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: CLOSE-INDICATOR REF #: 090

NAME: CASE STATUS INDICATOR

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(1)

USAGE: A flag indicating whether the case is open (active) or closed (inactive).

SUB FIELD (S): NONE

VALUES: 0 = Case Open  
1 = Case Closed

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

1. Must be numeric.
2. Must have the value '0' or '1'.

### COMMENTS:

NONE.

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PARTY-TYP-DEFND **REF #:** 091

**NAME:** ENFORCEMENT ACTION  
PARTY TYPE DEFENDANT

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** Code describing the type of party in an enforcement detail case.

**SUB FIELD (S):** NONE

**VALUES:** See Enforcement Party Type Table.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be contained in Enforcement Party Type table.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PARTY-TYP-PLAIN **REF #:** 092

**NAME:** ENFORCEMENT ACTION  
PARTY TYPE PLAINTIFF

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** Code describing the type of party in an enforcement action case.

**SUB FIELD (S):** NONE

**VALUES:** See Enforcement Party Type Table

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be contained in Enforcement Party Type table.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** VIOLATION-DATE **REF #:** 093

**NAME:** VIOLATION DATE

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(6), 9(5)

**USAGE:** Date on which a violation occurred.

**SUB FIELD (S):** On files YYDDD Julian, on input/reports MMDDYY.

**VALUES:** A valid date

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

When entered on an input transaction form:

1. Must be numeric
2. Must be a valid date
3. Must be earlier than processing date

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:**



EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: VIOLATION-TYPE REF #: 094

NAME: TYPE OF VIOLATION

DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: A code describing the violation by associating it with one of several types.

SUB FIELD (S): NONE

VALUES: See Violation Type Table.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

EDIT REQUIREMENTS:

Value must be included in Violation Type Table.

COMMENTS:

Date: 5 / 6 / 76 Revision Date:  / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: REASON REF #: 095

NAME: REASON FOR VARIANCE OR  
EXEMPTION

DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: Reason for establishing a variance or exemption.

SUB FIELD (S): \_\_\_\_\_

VALUES: See Variance/Exemption Reason Table.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
	X		

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

EDIT REQUIREMENTS:

Must be in Variance/Exemption Reason Table.

COMMENTS:

NONE.

Date: 5 / 18 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MEMONIC:** LEGAL-STATUS **REF #:** 096

**NAME:** LEGAL STATUS

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** Indicates legal status of an enforcement action.

**SUB FIELD (S):** \_\_\_\_\_

**VALUES:** See Legal Status Table.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be in Legal Status Table.

### COMMENTS:

NONE.

**Date:** 5 / 6 / 76 **Revision Date:**  / / **Revision #:** \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: TRAN-CODE REF #: 097

NAME: TRANSACTION  
CODE

DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: Code to indicate type of transaction

SUB FIELD (S): \_\_\_\_\_

VALUES: BE,BV,BP,BS = Batch header record  
00 = Add new record  
01-13 = Change existing record

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X		

EDIT REQUIREMENTS: Must be BE,BV,BP,BS or 00-13

COMMENTS:

Date: 5 / 19 / 76 Revision Date:     /    /     Revision #:

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: BATCH-NUM REF #: 098

NAME: BATCH

NUMBER

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(4)

USAGE: Number assigned externally to a batch of transaction documents for control purposes.

SUB FIELD (S): \_\_\_\_\_

VALUES: 0 - 9999

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X		

EDIT REQUIREMENTS:

Must be numeric

COMMENTS:

Date: 5 / 19 / 76 Revision Date: / / Revision #: \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: TRAN - NUM REF #: 099

NAME: TRANSACTION  
NUMBER

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(2)

USAGE: Number assigned sequentially to each transaction within a batch for control and identification purposes.

SUB FIELD (S): \_\_\_\_\_

VALUES: 0-99

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X		

EDIT REQUIREMENTS:

N/A

COMMENTS:

Date: 5 /19 /76 Revision Date: / / Revision #: \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: TRAN-COUNT REF #: 100

NAME: TRANSACTION  
COUNT

DESCRIPTION

DATE TYPE: Computational - 3 PICTURE: S9(5)

USAGE: The total number of transactions being input for a state.

SUB FIELD (S): \_\_\_\_\_

VALUES: 1-99999

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X		

EDIT REQUIREMENTS:

N/A

COMMENTS:

Date: 5 /19 / 76 Revision Date: / / Revision #: \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: SOURCE-ID-NUM REF #: 101

NAME: SOURCE IDENTIFICATION  
NUMBER

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(2)

USAGE: To identify which source is being referenced on  
the PWS Inventory record

SUB FIELD (S): \_\_\_\_\_

VALUES: 01-15

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X		

EDIT REQUIREMENTS:

Must be 01-15

COMMENTS:

Date: 5 / 19 / 76 Revision Date:     /    /     Revision #:



EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: VIO - COUNT REF #: 102

NAME: VIOLATION  
COUNT

DESCRIPTION

DATE TYPE: Computational - 3 PICTURE: \$9(7)

USAGE: The total number of violations being input for a state.

SUB FIELD (S): \_\_\_\_\_

VALUES: 1-9999999

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X		

EDIT REQUIREMENTS:

N/A

COMMENTS:

Date: 5 / 19 / 76 Revision Date:  / / Revision #: \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: ACTUAL - DATE REF #: 103

NAME: DATE MILESTONE  
COMPLETED

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5),9(6)

USAGE:

SUB FIELD (S): On file YYDDD Julian, on input/reports MMDDYY.

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

EDIT REQUIREMENTS:

Must be a valid date.

COMMENTS:

Date: 5 / 24 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## RECORD LAYOUT

### DATA ELEMENT

MNEMONIC: LAB-OWNER REF #: 104

NAME: LABORATORY

OWNER TYPE

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(1)

USAGE: A code describing the type of laboratory owner.

SUB FIELD (S): \_\_\_\_\_

VALUES: 1 = PWS 5 = Hospital  
2 = State 6 = Other  
3 = Private  
4 = University

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

### EDIT REQUIREMENTS:

Must be in range 1-6

### COMMENTS:

Date: 5 / 24/76 Revision Date:  / / Revision #: \_\_\_\_\_

# EPA WATER SUPPLY DATA SYSTEM

## RECORD LAYOUT

### DATA ELEMENT

MNEMONIC: LAB-AUTHORIZE REF #: 105

NAME: LABORATORY ANALYSIS

AUTHORIZATION CODE

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(1)

USAGE: A flag to indicate if a laboratory is authorized to perform analysis a contaminant type.

SUB FIELD (S): \_\_\_\_\_

VALUES: Y = authorized  
N = not authorized

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

### EDIT REQUIREMENTS:

Must be Y or N

### COMMENTS:

Date: 5 / 24 / 76 Revision Date:     /    /     Revision #:

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: ANALYSIS-METHOD REF #: 106

NAME: SAMPLE ANALYSIS  
METHOD

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: A code describing an authorized analysis method.

SUB FIELD (S): \_\_\_\_\_

VALUES: See Analysis Methods Table.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

EDIT REQUIREMENTS:

Must be contained in Analysis Methods Table.

COMMENTS:

Date: 5 /24 / 76 Revision Date: / / Revision #: \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: ANALYSIS-RESULT REF #: 107

NAME: ANALYSIS RESULT

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(6)

USAGE: Results of sample analysis

SUB FIELD (S):

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS:

Date: 5 / 24 / 76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## RECORD LAYOUT

### DATA ELEMENT

MNEMONIC: SAMPLES-REOURD REF #: 108

NAME: NUMBER OF SAMPLES  
REQUIRED

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5)

USAGE: The number of samples that a PWS was required to make during a sampling period.

SUB FIELD (S): \_\_\_\_\_

VALUES:

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

### EDIT REQUIREMENTS:

Must be numeric.

COMMENTS: To allow for bacteriological summary records for several analysis methods during the same sampling period.

Date: 5 / 24 / 76 Revision Date:     /    /     Revision #:

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: SAMPLES - RECVD REF #: 109

NAME: NUMBER OF SAMPLES  
RECEIVED

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5)

USAGE: The number of samples received during a sampling period.

SUB FIELD (S): \_\_\_\_\_

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS:

Date: 5 / 24 / 76 Revision Date:   /  /   Revision #:



EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: VIO - DURATION REF #: 110

NAME: VIOLATION  
DURATION

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: The duration of a violation of drinking water regulations expressed in days.

SUB FIELD (S): \_\_\_\_\_

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS:

Date: 5 / 24 / 76 Revision Date:     /    /     Revision #:

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: VIOLATION - ID REF #: 111

NAME: VIOLATION

IDENTIFICATION

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(5)

USAGE: A five digit number identifying a violation record within a state.

SUB FIELD (S): \_\_\_\_\_

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS:

Date: 5 / 24/76 Revision Date: / / Revision #: \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

RECORD LAYOUT

DATA ELEMENT

MNEMONIC: NUM - MILESTONES REF #: 112

NAME: NUMBER OF  
MILESTONES

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(2)

USAGE: The number of milestones on an Enforcement  
Actions record.

SUB FIELD (S): \_\_\_\_\_

VALUES: 0 to 15

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
		X	

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

EDIT REQUIREMENTS:

Must be in range 0 - 15.

COMMENTS:

Date: 5 / 24 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: DESIGN-CAPACITY

REF #: 113

NAME: DESIGN CAPACITY

### DESCRIPTION

DATE TYPE: NUMERIC

PICTURE: 9(10)

USAGE: Design capacity of PWS in gallons.

SUB FIELD (S): \_\_\_\_\_

VALUES:

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

### EDIT REQUIREMENTS:

Must be numeric.

### COMMENTS:

None.

Date: 6 / 9 / 76 Revision Date:  / /  Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: AVG-AIR-TEMP REF #: 114

NAME: AVERAGE DAILY AIR TEMPERATURE

DESCRIPTION

DATE TYPE: NUMERIC PICTURE: 9(3)V9

USAGE: Average maximum daily air temperature in degrees Fahrenheit.

SUB FIELD (S): \_\_\_\_\_

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
X			

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
		X	X	X

EDIT REQUIREMENTS:

Must be numeric.

COMMENTS: None.

Date: 6 / 9 / 76 Revision Date: / / Revision #: \_\_\_\_\_

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** REPORT-NUM-SEL **REF #:** 115

**NAME:** REPORT NUMBER  
SELECTION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(10)

**USAGE:** The report number of the report being requested.

**SUB FIELD (S):** \_\_\_\_\_

**VALUES:** See Edit Requirements.

## INPUT/OUTPUT REFERENCE

### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

**EDIT REQUIREMENTS:** Positions 1-4 must be ANRP. Positions 5-7 must be 020, 030, 040, 050 or 060. Positions 8-10 must be as follows: R1, R2 or A for 020; R1-R25 for 030; R1 or R2 for 040, 050 and 060.

### COMMENTS:

For ANRP020, A means print both reports.

**Date:** 6 / 18 / 76 **Revision Date:**  / / **Revision #:** \_\_\_\_\_

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** TYPE-OF-PWS-SEL **REF #:** 116

**NAME:** TYPE OF PWS  
SELECTION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** Type of PWS to be included on an annual report.

**SUB FIELD (S):** \_\_\_\_\_

**VALUES:** C = Community  
N = Non-community  
A = All

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be C, N or A.

### COMMENTS:

A means include both community and non-community.

**Date:** 6 / 18 / 76 **Revision Date:**  / / **Revision #:** \_\_\_\_\_

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: REGION-SEL REF #: 117

NAME: EPA REGION  
SELECTION

DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: EPA region being selected for compliance profiles  
ANRP020R1, R2.

SUB FIELD (S): \_\_\_\_\_

VALUES: 01-10 or A6 for all.

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

EDIT REQUIREMENTS:

Must be 01-10 or A6 for ANRP020R1, R2.  
Must be blank for other reports.

COMMENTS:

Date: 6/18/76 Revision Date: / / Revision #: \_\_\_\_\_



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: STATE-SEL REF #: 118

NAME: STATE  
SELECTION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: State being selected for compliance profiles ANRP020R1, R2.

SUB FIELD (S): \_\_\_\_\_

VALUES: One of the 56 postal codes assigned to states and trust territories. See State Postal Code Table. Maybe A6 for all.

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be in State Postal Code Table or A6 for ANRP020R1, R2.  
Must be blank for other reports.

### COMMENTS:

Date: 6 / 18 / 76 Revision Date: 9 / 20 / 76 Revision #: 1

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** CONTAM-CTG-SEL

**REF #:** 119

**NAME:** CONTAMINANT

CATEGORY SELECTION

### DESCRIPTION

**DATE TYPE:** A/N

**PICTURE:** X(4)

**USAGE:** Contaminant category being selected for compliance profiles ANRP020R1, R2.

**SUB FIELD (S):** \_\_\_\_\_

**VALUES:** PHYS = physical, INOR = inorganic chemicals, PSOR = pesticides and organic chemicals, MICR = microbiological, RAD I = radioactive, TREA = treatment, ~~ABSB~~ = all

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

<u>PWS</u>	<u>INVENTORY</u>	<u>VARIANCES &amp; EXEMPTIONS</u>	<u>ENFORCEMENT ACTIONS</u>	<u>REGULATION TABLE</u>

#### I/O TO SUBSYSTEMS

<u>CONVERSION</u>	<u>INPUT</u>	<u>UPDATE</u>	<u>PERIODIC REPORTING</u>	<u>ANNUAL REPORTING</u>
				X

### EDIT REQUIREMENTS:

Must be PHYS, INOR, PSOR, MICR, RAD I, TREA or ~~ABSB~~ for ANRP020R1, R2.

Must be blank for other reports.

### COMMENTS:

**Date:** 6 /18 /76 **Revision Date:** / / **Revision #:** \_\_\_\_\_

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** VIO-TYPE-SEL **REF #:** 120

**NAME:** VIOLATION TYPE  
SELECTION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(4)

**USAGE:** Violation type being selected for compliance profiles  
ANRP020R1, R2.

**SUB FIELD (S):** \_\_\_\_\_

**VALUES:** CONT = contaminant violation  
SAMP = sampling violation  
OTHR = other violation  
~~ADDD~~ = all violations

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be CONT, SAMP, OTHR or ~~ADDD~~ for ANRP020R1, R2.  
Must be blank for other reports.

### COMMENTS:

**Date:** 6/18 /76 **Revision Date:** / / **Revision #:** \_\_\_\_\_

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** SOURCE-TYPE-SEL **REF #:** 121

**NAME:** SOURCE TYPE  
SELECTION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(1)

**USAGE:** Water source type being selected for compliance profiles ANRP020R1, R2.

**SUB FIELD (S):** \_\_\_\_\_

### **VALUES:**

S = surface  
G = ground  
P = purchased  
A = all

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be S, G, P or A for ANRP020R1, R2.  
Must be blank for other reports.

### COMMENTS:

**Date:** 6/18 / 76 **Revision Date:** / / **Revision #:** \_\_\_\_\_

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** ACCUM-TYPE-SEL **REF #:** 122

**NAME:** ACCUMULATOR

TYPE SELECTION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(3)

**USAGE:** Accumulator type being selected for compliance profiles ANRP020R1, R2.

**SUB FIELD (S):** \_\_\_\_\_

### **VALUES:**

YTD = year-to-date  
TOT = total-to-date

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
				X

### EDIT REQUIREMENTS:

Must be YTD or TOT for ANRP020R1, R2.  
Must be blank for other reports.

### COMMENTS:

**Date:** 6/ 18/76 **Revision Date:** / / **Revision #:** \_\_\_\_\_

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** TOT-TRAN-COUNT **REF #:** 123

**NAME:** TOTAL TRANSACTION  
COUNT

### DESCRIPTION

**DATE TYPE:** Computational-3 **PICTURE:** 59(7)

**USAGE:** Total number of transactions per state on input from MSIS.

**SUB FIELD (S):** NONE

**VALUES:**

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

### EDIT REQUIREMENTS:

Must be numeric

### COMMENTS:

**Date:** 6 / 18/76 **Revision Date:**  / / **Revision #:**

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: TOT-VIO-COUNT REF #: 124

NAME: TOTAL VIOLATIONS  
COUNT

DESCRIPTION

DATE TYPE: Computational-3 PICTURE: 59(11)

USAGE: Total number of violations per state on input  
from MSIS.

SUB FIELD (S): NONE

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X			

EDIT REQUIREMENTS:

Must be numeric

COMMENTS:

Date: 6 /18 /76 Revision Date: / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** TOTAL-INPUT **REF #:** 125

**NAME:** TOTAL INPUT

### DESCRIPTION

**DATE TYPE:** Computational-3 **PICTURE:** 59(5)

**USAGE:** Total number of transaction records being input on an MSIS transaction file.

**SUB FIELD (S):** NONE

**VALUES:**

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
	X	X		

### EDIT REQUIREMENTS:

Must be numeric

### COMMENTS:

**Date:** 6 / 18 / 76 **Revision Date:**  / /  **Revision #:**



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** RPT-SEL **REF #:** 126

**NAME:** REPORT SELECTION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(9)

**USAGE:** To select a report to be printed by the periodic reporting subsystem.

**SUB FIELD (S):** NONE

**VALUES:**

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

Must be PRRP020R1-PRRP020R6 for PWS Inventory reports.  
Must be PRRP040R1 for Variance and Exemption Review List.

### COMMENTS:

**Date:** 6 / 18 / 76 **Revision Date:** / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** ADDRESS-SEL **REF #:** 127

**NAME:** ADDRESS SELECTION

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(1)

**USAGE:** To select which address, plant or mailing, is to be printed on the periodic reports.

**SUB FIELD (S):** NONE

**VALUES:**  
0 = Mailing  
1 = Plant Location

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

FWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

Must be 0 or 1

### COMMENTS:

**Date:** 6/18/76 **Revision Date:** / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** PERCENT-SEL **REF #:** 128

**NAME:** PERCENT SELECTION

### DESCRIPTION

**DATE TYPE:** Numeric **PICTURE:** 9(3)

**USAGE:** To indicate what percentage of the selected variance and exemption records are to be printed on the Variance and Exemption Review List.

**SUB FIELD (S):** NONE

**VALUES:** Between 0 and 100

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING

### EDIT REQUIREMENTS:

Must be in range 0 to 100

### COMMENTS:

**Date:** 6/ 18/76 **Revision Date:**  / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

**MNEMONIC:** DESTINATION **REF #:** 129

**NAME:** DESTINATION

### DESCRIPTION

**DATE TYPE:** A/N **PICTURE:** X(9)

**USAGE:** To indicate the program number into which Edited Report Selection Cards should be entered.

**SUB FIELD (S):** NONE

**VALUES:** PRRP020 for PWS Inventory reports  
PRRP040 for Variance and Exemption Review List

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

N/A

### COMMENTS:

**Date:** 6/18/76 **Revision Date:** / / **Revision #:**

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: OPERATOR-SEL REF #: 130

NAME: OPERATOR FOR  
SELECTION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(3)

USAGE: Indicates whether each report selection on criterion is mandator (AND) or optional (OR).

SUB FIELD (S): NONE

VALUES:

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

Must be AND or OR. If blank, default to OR.

### COMMENTS:

Date: 6 / 18 / 76 Revision Date:  / /  Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: MNEMONIC-SEL REF #: 131

NAME: MNEMONIC FOR  
SELECTION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(15)

USAGE: Indicates what field is being used as a selection criterion.

SUB FIELD (S): NONE

VALUES:

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

For PRRP010, must be in Inventory Selection Table.

For PRRP030, must be in Variance and Exemption Selection Table.

### COMMENTS:

Date: 6 / 18 / 76 Revision Date:     /    /     Revision #:

### DATA ELEMENT DESCRIPTION

**NAME:**       SORT SEQUENCE        
          SELECTION

DATE TYPE: Numeric PICTURE: 9(2)

**USAGE:** To indicate the position in the sort hierarchy.

**SUB FIELD (S):** \_\_\_\_\_

VALUES: 0-10

## INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE
------------------	---------------------------	------------------------	---------------------

## I/O TO SUBSYSTEMS

	CONVERSION	
	INPUT	
	UPDATE	
X	PERIODIC REPORTING	
	ANNUAL REPORTING	

### EDIT REQUIREMENTS:

Must be in range 0-10. Each one must be unique within a group of selection cards.

**COMMENTS:**

Date: 6 / 18 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: RELATION-SEL REF #: 133

NAME: RELATION FOR  
SELECTION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(2)

USAGE: Indicates the relation between what is in the files and what is in the FROM-SEL and TO-SEL (Data Elements #134, 135) fields.

SUB FIELD (S): NONE

VALUES: LT (less than) NG (not greater than)  
EQ (equal) NX (not exist, i.e., blank)  
GT (greater than) RG (range from-to)  
NL (not less than)

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

Must be LT, EQ, GT, NL, NG, NX or RG

### COMMENTS:

Date: 6 / 18 / 76 Revision Date:  / / Revision #:



# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: FROM-SEL REF #: 134

NAME: FROM VALUE  
FOR SELECTION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(10)

USAGE: Indicates the "from" value for comparing to a file on report selection.

SUB FIELD (S): NONE

VALUES:

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

Must be within the from/to value range for the mnemonic on the Inventory Selection Table for PRRP010 or the Variance and Exemption Selection Table for PRRP030. If RELATION-SEL, #133, is 'NX', then FROM-SEL must be blank.

### COMMENTS:

Date: 6 / 18 / 76 Revision Date:     /    /     Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: TO-SEL REF #: 135

NAME: TO VALUE FOR SELECTION

### DESCRIPTION

DATE TYPE: A/N PICTURE: X(10)

USAGE: Indicates the "to" value for comparing to a file on report selection.

SUB FIELD (S): NONE

VALUES:

### INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

If RELATION-SEL, #133, is 'RG', then TO-SEL must meet same requirements as FROM-SEL, #134. If RELATION-SEL is other than 'RG', then TO-SEL must be blank.

### COMMENTS:

Date: 6 / 18 / 76 Revision Date:  / / Revision #:

# EPA WATER SUPPLY DATA SYSTEM

## DATA ELEMENT DESCRIPTION

### DATA ELEMENT

MNEMONIC: OFFSET-SEL REF #: 136

NAME: OFFSET FOR SELECTION

### DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(4)

USAGE: To indicate the offset from the beginning of a file where a field begins that is being used for report selection.

SUB FIELD (S): NONE

VALUES:

### INPUT/OUTPUT REFERENCE

#### FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

#### I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

### EDIT REQUIREMENTS:

N/A

### COMMENTS:

Date: 6/18 /76 Revision Date: / / Revision #:

EPA WATER SUPPLY DATA SYSTEM

DATA ELEMENT DESCRIPTION

DATA ELEMENT

MNEMONIC: LENGTH-SEL REF #: 137

NAME: LENGTH OF FIELD FOR  
SELECTION

DESCRIPTION

DATE TYPE: Numeric PICTURE: 9(3)

USAGE: To indicate the field length of a field that  
is being used for report selection.

SUB FIELD (S): NONE

VALUES:

INPUT/OUTPUT REFERENCE

FILE/TABLE LOCATION

PWS INVENTORY	VARIANCES & EXEMPTIONS	ENFORCEMENT ACTIONS	REGULATION TABLE

I/O TO SUBSYSTEMS

CONVERSION	INPUT	UPDATE	PERIODIC REPORTING	ANNUAL REPORTING
			X	

EDIT REQUIREMENTS:

N/A

COMMENTS:

Date: 6 / 18 / 76 Revision Date:     /    /     Revision #: